



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>										
Lined MSWLF		LCID		YW		Transfer		Compost		<b>COUNTY:</b> Graham <b>PERMIT NO.:</b> 38-01 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF	<b>X</b>	HHW		White goods		Incineration		T&P		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		

**Date of Site Inspection:** February 21, 2012    **Date of Last Inspection:** May 19, 2009

**FACILITY NAME AND ADDRESS:**

Graham County Municipal Solid Waste Landfill  
 Atoah Road  
 Robbinsville, N. C. 28771

**GPS COORDINATES:** N: 35.27452    E: -83.84299

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Name: Donnie Orr, Director, Graham County Sanitation Department  
 Telephone: 828-479-9369

**FACILITY CONTACT ADDRESS:**

12 North Main Street  
 Robbinsville, NC 28771

**PARTICIPANTS:**

Troy Harrison- NCDENR/DWM/Solid Waste Section  
 Donnie Orr, Graham County

**STATUS OF PERMIT:**

Closure letter issued for Permit No. 38-01 issued on January 30, 1996.  
 The letter contains post closure conditions for the landfill.  
 An amendment was issued on January 8, 2002.

**PURPOSE OF SITE VISIT:**

Comprehensive Audit of Closed MSW Landfill

**STATUS OF PAST NOTED VIOLATIONS:**

All past violations have been resolved.

**OBSERVED VIOLATIONS**

1. 15A North Carolina Administrative Code 13B .0510 (c) requires that “when a solid waste disposal site has been closed in accordance with the requirements of the Division, future necessary maintenance and water quality monitoring shall be the responsibility of the owner and the operator and shall be specified in the closure letter.”

The January 30, 1996 closure letter, in the POST CLOSURE CONDITIONS section item #1 (Management of Landfill Gas), states: “the owner and/or operator shall take the measures necessary to ensure that the closed site shall continue to meet the design standards for landfill gas found in Rule .0503(2) (a).”

15A NCAC 13B .0503(2)(a) states: “A site shall meet the following design requirements:

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(a) The concentration of explosive gases generated by the site shall not exceed:

(i) twenty five percent of the limit for the gases in site structures (excluding gas control or recovery system components); and

(ii) the lower explosive limit for the gases at the property boundary.”

There are no records that show that explosive gas monitoring has been conducted at the closed landfill as required in the closure letter.

In order to achieve compliance with 15A NCAC 13B .0510(c), within 90 days of receiving this report, Graham County must provide evidence that explosive gas monitoring has been performed as required in the closure letter, or submit a new permanent monitoring explosive monitoring plan to the Solid Waste Section for approval. The plan should satisfy all conditions of Rule 15A NCAC 13B .0503(2)(a)(i) and (ii). Please submit copies of the methane monitoring plan to

Elizabeth Werner; Solid Waste Section Hydrogeologist  
Division of Waste Management, Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina, 27699-1646

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

**ADDITIONAL COMMENTS**

1. All photographs were taken by Troy Harrison on February 21, 2012.
2. The Landfill ceased operations on April 8, 1994. The property that the landfill is located on is owned by the US Forest Service.
3. The entrance to the landfill was secured by a locked gate.
3. **The three groundwater monitoring wells were observed. None of the wells were secured. 15A NCAC 02C .0108 (k) requires that “all non-water supply wells, including temporary wells, shall be secured with a locking well cap to ensure against unauthorized access and use.” The security of the wells was also mentioned in the March 17, 2009 audit. As a reminder, the results of the most recent groundwater sampling are due on, or before June 1, 2012.**



Unsecured Monitoring Well No. 2



Unsecured Monitoring Well No. 1

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4. The cap of the landfill had not been mowed in quite some time and briars were starting to appear. In addition, it is unclear where waste was deposited at the landfill. There were also trees in areas that could be growing over waste. Graham County needs to clearly locate and permanently mark the edge of waste boundary.



Top of landfill



possible woody vegetation over waste

Please contact me if you have any questions or concerns regarding this inspection report.

TRACY HARRISON

828-296-4701

Phone:

Environmental Senior Specialist  
***Regional Representative***

Sent on: March 8, 2012		Email		Hand delivery		US Mail	X	Certified No. <u>7006 2150 0005 2458 9747</u>
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Copies: Jason Watkins, Western District Supervisor  
Mark Poindexter, Field Operations Branch Head  
Shawn Mckee, Solid Waste Section  
Kim Crisp, Assistant County Manager  
Elizabeth Werner, DWM Hydrogeologist  
Landon Davidson, DWQ/Aquifer Protection